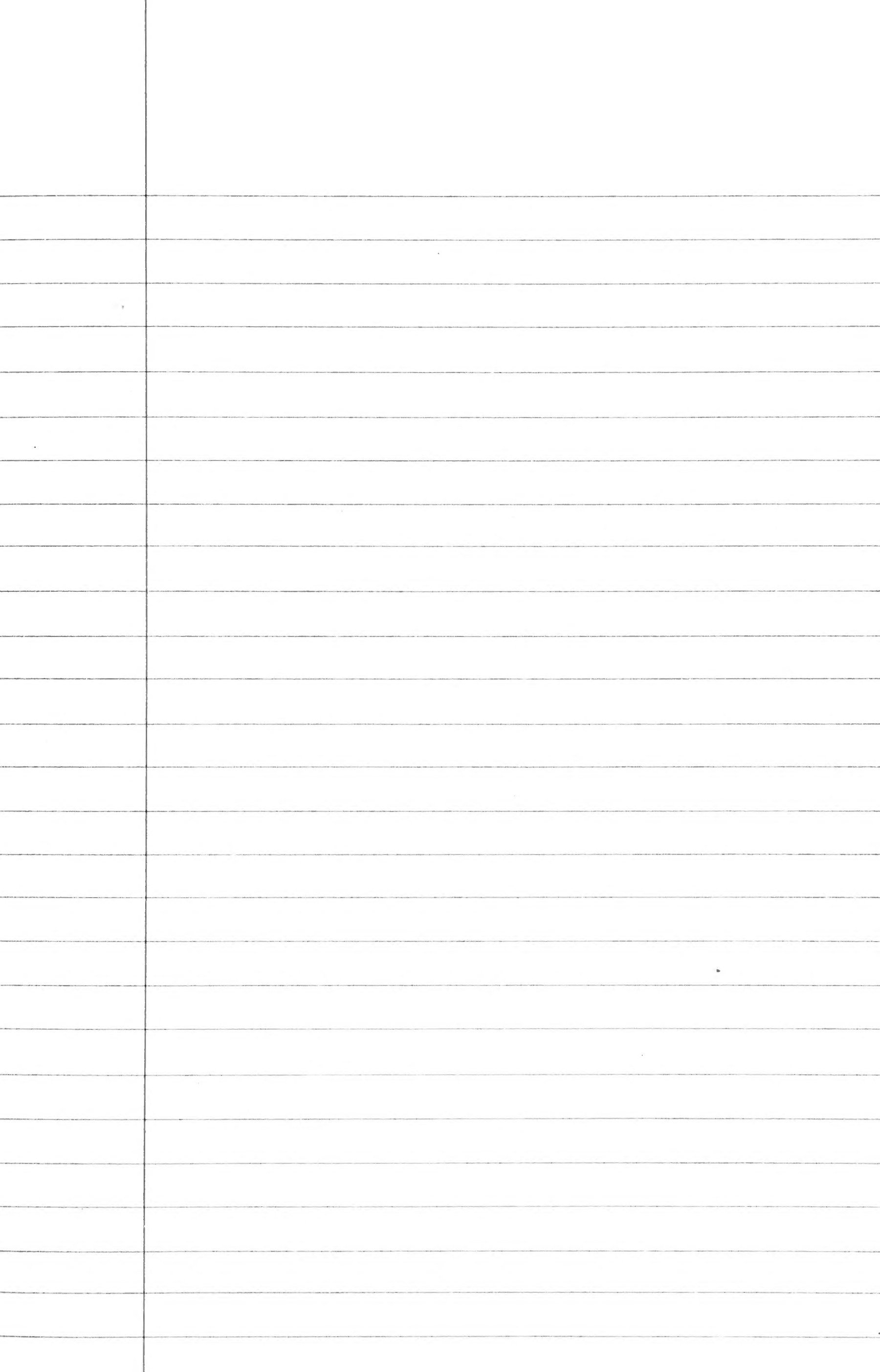


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BROCK, ELBERT M.

Miscellaneous: California, Nevada,
Arizona, Mexico, Washington,
and Oregon.

1953-1956.

Catalogue Nos. 1-353.

Journal

Catalogue

1954

Catalogue

1 mi. SE Inverness, ± 25 ft., Marin Co. Calif.

Sept. 20

1 ♂ *Peromyscus maniculatus*
(caught by S. B. Benson)

175-86-21-17

Sept. 27

2 ♀ *Peromyscus maniculatus*
(caught by S. B. Benson)175-88-19-17-21.4^{wt}_gCragmont Ave., 1 mi. N of U.C. Campus ± 200 ft. Alameda Co., Calif.

Sept. 27

3 ♂ *Tadarida mexicana*

90-35-9-18

Sagehen Creek Basin, 3 mi. NW Hobart Mills ± 6400 ft. Nevada Co., Calif.

Oct. 2

4 ♂ *Eutamias speciosus*

210-82-32-20

5 ♂ *Tamiasciurus douglasii*

317-135-49-28

6 ♂ *Eutamias amoenus*189-79-31-18-42.2^{wt}_g

7 ♀ " "

195-79-31-18-47.2^{wt}_g

Oct. 3.

8 ♀ *Sorex vagrans*108-44-13-6-5.5^{wt}_g9 ♀ *Scapanus latimanus*166-31-21-0-75.4^{wt}_g3 mi W of Inverness, ± 35 ft., Marin Co., Calif.

Oct. 30

10 ♀ *Neotoma fuscipes*

373-181-40-29

Oct. 31

11 ♂ *Aplodontia rufa phaea*

313-37-51-18

8 mi. E Inverness, ± 35 ft., Marin Co., Calif.

Oct. 30

12 ♂ *Sciurus griseus*
(Prepared Oct 31) (D.O.R.)

524-258-75-38

Catalogue

1954,

1955

Sagehen Creek Basin, 3 mi. NW Hobart Mills \pm 6400 ft., Nevada Co., Calif.

Oct. 3

13 ♂ *Citellus lateralis* (prepared Nov 1)273-96-42-20-197.1^{wt.}g14 ♀ *Thomomys monticola* (prepared Nov 1)206-65-27-9-88.0^{wt.}g

March 12, 1955

15 ♀ *Neotoma cinerea*

352-139-27-30

Tilden Park, \pm 300 ft., Contra Costa Co., Calif.

March 12, 1955

16 ♂ *Microtus californicus californicus* (Prepared March 21) (caught by R. S. Hoffman)

193-47-21-15

17 ♂ " (Prepared " March 21, caught by R. S. Hoffman)

174-49-20-15

1 mi. N Freestone, \pm 50 ft., Sonoma Co., Calif.

Oct. 30, 1954

18 ♀ *Phenacomys longicaudus* (prepared Mar. 21, 1955)

170-69-19-11

Tilden Park, \pm 300 ft., Contra Costa Co., Calif.

March 19, 1955

19 ♀ *Peromyscus californicus parasiticus* (prepared Mar. 31)

247-129-27-23

Sagehen Creek Basin, 3 mi. NW Hobart Mills \pm 6400 ft. Nevada Co., Calif.

July 25, 1953

skull only
20 ? *Citellus lateralis*

August 1953

skull only
21 ? *Citellus beedingi*

June 26, 1953

skull only
22 ♂ *Microtus montanicus sierrae* (caught by R. S. Hoffman)skull only
23 ♂ " (caught by R. S. Hoffman)

July 10, 1953

skull only
24 ♀ *Peromyscus maniculatus* (caught by R. S. Hoffman)

168-74-20-17

July 1, 1953

skull only
25 ? *Peromyscus maniculatus* (caught by R. S. Hoffman)

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Sagehen Creek Basin, 3 mi. NW Hobart Mills \pm 6400 ft. Nevada Co., Calif.

skull only
 26 ♂ *Sorex obscurus* (caught by R.S. Hoffman) June 26, 1953

Cragmont Ave., 1 mi N U.C. Campus \pm 200 ft., Alameda Co., Calif.

skull only
 27 ? *Thomomys bottae* May 1952

Between Morten & Benton St., Alameda, Alameda Co., Calif.

skull only
 28 ? *Scapanus latimanus* May 29, 1952

Tilden Park, \pm 300 ft., Contra Costa Co., Calif.

March 19, 1955
 (Prepared April 6)
 29 ♂ *Rheithrodontomys megalotis longicaudus* 142-72-17-14

April 9, 1955
 (Prepared April 6)
 30 ♂ *Peromyscus truei gambelii* 202-98-21-21

Sagehen Creek Basin, 3 mi. NW Hobart Mills \pm 6400 ft. Nevada Co., Calif.

April 23, 1955
 31 ♂ *Citellus beecheyi* 391-153-56-25

April 24, 1955.
 32 ♂ *Peromyscus maniculatus* 163-67-19-18

April 25, 1955
 33 ♀ *Mustela frenata nevadensis* 320-110-36-22-117.2g^{wt}

Near Joshua Tree Nat. Mont. San Bern Co., Calif.

April 25, 1955
 (collected by Dean Furman) (Prepared May 2)
 34 ♀ *Perognathus* 176-95-22-8

(collected by Dean Furman) (Prepared May 2)
 35 ♂ *Peromyscus truei* 199-101-22-26

Riverside Mts, 6 mi. S Vidal, Riverside Co., Calif.

April 27, 1955
 (Collected by Prentice Bloodal) (Prepared May 5)
 36 ♀ *Myotis velifer* 93-41-9-16

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Riverside Mts., 6 mi. S Vidal, Riverside Co. Calif.

April 27, 1955

- 37 ♀ *Myotis velifer* (Collected by Prentice Bloedel) (Prepared May 5) 96-39-8-15
 38 ♀ *Myotis velifer* (Collected by Prentice Bloedel) (Prepared May 5) 97-44-9-15
 39 ♀ *Myotis velifer* (Collected by Prentice Bloedel) (Prepared May 5) 100-43-9-15
 40 ♂ *Myotis velifer* (Collected by Prentice Bloedel) (Prepared May 6) (locality questionable) maybe Arizona 93-39-8-16

March 26, 1955

Tilden Park ± 300 ft., Contra Costa Co., Calif.

(Collected by Jerry Cook; Prepared on May 7)

- 41 ♂ *Perognathus* 213-120-26-12

April 9, 1955

- 42 ♀ *Thomomys* (Collected by S. B. Benson) (Prepared May 7) 213-62-25-8

May 7, 1955

10 mi. S Marysville, Yuba Co., Calif.

(Collected by W.C. Russell)

- 43 ♂ Yellow headed blackbird Testis 10mm
 44 ♂ Blackbird (Collected by W.C. Russell) Testis 12mm

April 9, 1955

Tilden Park ± 300 ft., Contra Costa Co., Calif.

(Caught by S.B. Benson; prepared May 15)

- 45 ♂ *Peromyscus* 250-127-27-22

May 22, 1955

1.5 mi St. Mary's College

(D.O.R.)

- 46 ♀ Quail

May 7, 1955

10 mi. S Marysville, Yuba Co., Calif.

(Shot by W.C. Russell) (Prepared May 23)

- 47 ♂ Tri-colored wing blackbird Testis 12mm

April 9, 1955

Tilden Park ± 300 ft., Contra Costa Co., Calif.

(Caught by S.B. Benson; prepared May 28)

- 48 ♂ *Peromyscus* 224-118-25-21

June 9, 1955

University of California Campus, Alameda Co., Calif.

(D.O.R.)

- 49 ♂ *Didelphis virginiana* 356-157-33-38

April 9, 1955

Tilden Park ± 300 ft. Contra Costa Co. Calif.

June 22, 1955

44 mi. U.C. Cyclotron, University of California Alameda Co. Calif.

Prepared June 24

- 50 ? ~~Black-headed Grosbeak~~ Brown Towhee

Near Bangkok, Siam

(Caught by R.H. Hendrickson) (Prepared June 27, 1955)

- 51 ♂ *Tupaia* (Common tree shrew) 360-184-46-18

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July 3, 1955 Sagehen Creek basin, 3 mi. NW Hobart Mills \pm 6400 ft. Nevada Co. Calif.

52 ♀ *Citellus beldingi* 279-64-41-15

July 5, 1955

53 ♀ *Eutamias* 216-89-34-19

July 15, 1955

54 ♀ *Peromyscus maniculatus* 153-69-20-19-23.1g

July ~~18~~¹⁷, 1955 Prosser Creek at highway 89 crossing, \pm 6400, Nevada Co. Calif.

55 ♂ *Citellus beldingi* (D.O.R.) 253-72-42-17

July 7, 1955 Sagehen Creek Basin, 3 mi. NW Hobart Mills \pm 6400 ft., Nevada Co. Calif.
skin only

56 ♀ *Citellus lateralis* (Prepared July 20, 1955) 246-72-39-21

July 23, 1955

57 ♂ ^{immature} *Citellus lateralis* 147-49-30-11

July 26, 1955

58 ♀ ^{immature} *Citellus lateralis* 152-50-29-14

Aug 2, 1955 3 mi. W Reno, Washoe Co. ~~Nevada~~ Nevada

(collected by Peter Bussard)
59 ♀ *Neotoma cinerea* 382-177-45-33

60 ♀ ? ^{young of 59} " 169-64-29-19

61 ♂ ^{young of 59} " 185-66-31-21

62 ♀ ^{young of 59} " 187-68-31-20

Aug 6, 1955 Sagehen Creek Basin, 3 mi. NW Hobart Mills \pm 6400 ft., Nevada Co. Calif.

63 ♀ *Peromyscus maniculatus* 185-79-21-19

Aug 8, 1955

(collected by Peter Bussard)
64 ♂? (Bat) *Myotis volans* 92-48-8-15(?)

Aug 11, 1955

(collected by Allen Sutton)
65 ♂ *Myotis volans* 96-49-8-14

(collected by Allen Sutton)
66 ♀ *Erethizon dorsatum* 657-185(?) - 93-30

Aug 20, 1955

67 ♂ *Lasionycteris noctivagans* 96-40-9-16

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Aug. 21 Sagehen Creek Basin, 3 mi. NW Hobart Mills \pm 6400 ft. Nevada Co., Calif.

68 ♀ *Lasionycteris noctivagans* 115-48-9-17

Aug. 21 10 mi. SE Reno \pm 4500 ft., Washoe Co., Nevada

69 ♀ *Corynorhinus rafinesquii* 95-51-11-35

skull only 70 ♀(?) " " 109-52-12-38

71 ♀ " " 97-52-11-35

72 ♀ " " 98-51-11-36

skull only 73 ♀ " " 105-55-11-36

74 ♂ " " 94-50-10-36

skull only 75 ♀ " " 103-49-11-37

76 ♂ " " 92-48-9-35

Sept. 2 Sagehen Creek Basin, 3 mi. NW Hobart Mills \pm 6400 ft. Nevada Co. Calif.

77 ♀ *Eutamias amoenus* 197-85-30-17

Sept. 3 7 miles SE Truckee \pm 6000 ft. ^{Placer} ~~Nevada~~ Co., Calif.

skin only 78 ♂ *Eutamias* (D.O.R.) 195-84-31-15

Sept. 25 1/2 mi. W U.C. Botanical Gardens, Berkeley, Alameda Co. Calif.

79 ♂ *Procyon lotor* (D.O.R.) 470-165-84-41

Sept. 10 Picacho Peak, Pinal Co., Arizona

(collected by Prentice Oldsdel)
80 ♂ *Microtus californicus* 87-37-13-34

81 ♂ " " " " 92-39-14-34

82 ♂ " " " " 88-37-13-32

83 ♂ " " " " 92-39-13-31

84 ♂ " " " " 95-40-13-32

85 ♂ " " " " 91-40-13-35

86 ♂ " " " " 94-40-13-32

87 ♂ " " " " 93-39-13-32

88 ♂ " " " " 93-40-13-34

Catalogue

1955

Sept. 10

Picacho Peak, Pinal Co., Arizona

(collected by Prentice Bleedel)

89 ♂	<i>Myotis velifer</i>	"	"	"	"	94-43-10-16
90 ♂	"	"	"	"	"	87-42-9-15
91 ♂	"	"	"	"	"	87-43-9-15
92 ♂	"	"	"	"	"	89-40-9-15
93 ♀	<i>Tadarida mexicana</i>	"	"	"	"	93-35-9-17
94 ♀	"	"	"	"	"	92-36-8-19
95 ♀	"	"	"	"	"	97-39-9-19
96 ♀	"	"	"	"	"	89-38-9-18
97 ♀	"	"	"	"	"	96-37-9-19
98 ♀	"	"	"	"	"	96-33-9-19
99 ♀	"	"	"	"	"	90-32-9-17
100 ♀	"	"	"	"	"	88-31-9-18
101 ♀	"	"	"	"	"	95-34-9-19
102 ♂	"	"	"	"	"	99-36-9-19
103 ♀	"	"	"	"	"	94-35-9-18
104 ♀	"	"	"	"	"	95-33-9-18
105 ♀	"	"	"	"	"	91-33-8-18
106 ♀	"	"	"	"	"	91-36-8-18
107 ♀	"	"	"	"	"	95-37-9-18
108 ♀	"	"	"	"	"	88-32-9-17
109 ♀	"	"	"	"	"	95-39-9-19
110 ♀	"	"	"	"	"	102-37-9-18
111 ♀	"	"	"	"	"	89-32-9-18

Oct 25

1 mi. N Inspiration Point, San Pablo Ridge, Contra Costa Co., Calif.112 ♂ *Sylvilagus bachmani macrochirus* 294-~~38~~³⁶-70-55

Sept. 10, 1955

Picacho Peak, Pinal Co., Arizona

(collected by Prentice Bleedel)

113 ♀ *Tadarida mexicana* 91-31-9-18

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Sept 10 Picacho Peak, Pinal Co., Arizona

(Collected by Prentice Blood)

114 ♀	Jadarida mexicana	"	"	"	"	87-31-9-18
115 ♀	"	"	"	"	"	94-32-9-18
116 ♀	Myotis velifer	"	"	"	"	94-41-9-16
117 ♂	"	"	"	"	"	92-40-9-15
118 ♂	"	"	"	"	"	98-43-9-15
119 ♂	"	"	"	"	"	92-41-9-15
120 ♂	"	"	"	"	"	90-39-9-15
121 ♂	"	"	"	"	"	89-41-9-14
122 ♂	"	"	"	"	"	91-41-9-15

Sept 20

Beehive Mt. ± 5 mi. W Tucson, Pima Co., Arizona

(Collected by Prentice Blood)

123 ♀	Myotis					77-31-9-13-5.0gms
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Sept 10

Picacho Peak, Pinal Co., Arizona

(Collected by Prentice Blood)

124 ♂	Myotis velifer	"	"	"	"	89-39-9-16
125 ♀	"	"	"	"	"	92-40-9-15
126 ♂	"	"	"	"	"	91-40-9-15
127 ♂	"	"	"	"	"	90-40-9-15
128 ♂	"	"	"	"	"	90-38-9-15
129 ♂	"	"	"	"	"	88-40-9-14
130 ♂	"	"	"	"	"	93-40-9-16
131 ♂	"	"	"	"	"	90-40-9-14
132 ♂	"	"	"	"	"	92-40-9-15
133 ♂	"	"	"	"	"	85-36-9-15
134 ♀	"	"	"	"	"	94-41-9-15

Nov 14

University of California Campus, Berkeley, Alameda Co., Calif.

135 ♂	Sciurus niger					498-215-67-29
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Life Science Building, U.C. Campus, Berkeley, Alameda Co., Calif.

136 ♂	Mus musculus					172-84-18-15
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1955

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~ June 15

mi S Olenka,

Marin Co. Calif.

Dec 19 137 ♀ *Sciurus griseus* 559-242-28-36
Teacapan, 24 mi. SW Esquimapa, Sinaloa, Mexico

Dec 19 138 Tree frog
~~Huanacastle~~ ^{Huan} Huanacastle ± 2 mi. SW Palmar Sinaloa, Mexico

139 Toad.

Dec. 20

140 lizard

141 "

142 ♀ *Rattus* *Sigmodon*

140 grams
302-147-38-22-

Dec 23

between Teacapan and ^{Puerta} del Rio, Sinaloa, Mexico

143 ♂ *Indigo flycatcher*

Dec 24

144 ♂ *Oriole*

145 ♂: *Vermillion flycatcher*

Dec 25

146 ♂ *Rattus*

364-95-35-24

147 ♂ *Iguana*

skeleton only

148 ♂ *White fronted parrot*

Dec 26

2 mi. NE San Blas, Nayarit, Mexico

149 *Kiskadee flycatcher*

Dec 27

San Blas, Nayarit, Mexico

150 ♀ *Bat* *B. ...* 66-17-10-15

151 ♀ " " 67-21-10-15

152 ♀ " " 68-19-10-15

153 ♀ " " 68-17-10-15

alcohol

154 ♀ " " 66-17-10-15

Dec 28

155 ♀ " " 68-17-9-14

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Dec. 28 San Blas, Nayarit, Mexico

156 ♂?	Bat	68-8?-11-15
157 ♂	"	63-10-10-15
158 ♀	"	66-9-11-14
159 ♂	"	86-26-10-15
160 ♀	"	87-24-10-14
161 ♂	"	84-25-11-15
162 ♂	"	69-19-11-17
alcoholic	163 ♂	"
alcoholic	164 ♂	"
alcoholic	165 ♀	"
alcoholic	166 ♀	"
alcoholic	167 ♀	"
alcoholic	168 ♀	"

Feb. 28, 1956 241 Los Altos Drive, Kensington, Berkeley, Contra Costa Co., Calif.

169 ♀ *Mustela frenata* 355-124-37-22

Mar 27, 1956 2 mi. SW of Yarnell, Yavapai Co., Arizona

170 ♂ *Pipistrellus hesperus* ^{caught by Bob Glass} 72-29-6-12-9 Ex. 194 wt. 2.4g

Dec 25, 1955 between Teacapan and Punta del Rio, Sinaloa, Mexico

skin only
171 ? *Canis latrans*

May 3, 1956 2.6 mi. NE Crescent City, Del Norte Co., Calif.

172 *Anolis*

173 *Batrachoseps*

May 5, 2 mi. S Roy, Pierce Co. Washington

174 *Thamnophis*

175 "

May 8 jet. Dungeness & Grayswolf R. (Sec. 30, T29N, R3W) Clallam Co. Washington

176 ♀ *Peromyscus*

202-106-22-21-21.1g

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May 8

jet. Dungeness & Greywolf R., ± 800 ft. (Sec. 30, T29N, R3W) Clallam Co., Wash.

177 ♀ Peromyscus

186-103-23-20^N-17.4g

178 ♂ "

193-106-22-20^N-18.9g

179 ♂ "

196-105-22-19^N-24.3g

180 ♀ Sorex

123-60-13-9^N-6.3g

181 ♀ Microtus

116-29-15-10^N-16.8g

182 Bufo

183 ♂ Clethrionomys

132-41-17-12^N-17.6g

May 9

184 Bufo

185 ♀ Sorex

119-52-13-9^N-6.3g

186 ♂ Peromyscus

203-108-24-20^N-21.6g

187 ♂ "

191-103-23-20^N-18.7g

188 ♀ "

185-99-22-19^N-15.6g

189 ♀ "

196-106-22-20^N-18.0g

May 10

190 Bufo

191 ♂ Peromyscus

185-100-22-20-17.5g

192 ♀ "

182-102-21-18-14.3g

^{Fish} Dungeness Hatchery ± 500 ft., 4 mi. SSW Sequim, Clallam Co., Wash.

193 ♀ Myotis

79-38-8-14-ex 236-5.2g

194 ♀ "

81-38-9-14-ex 239-5.8g

195 ♀ "

81-39-8-14-ex 228-5.8g

196 ♀ "

80-38-8-14-ex 233-5.8g

197 ♀ "

82-38-9-14-ex 228-5.9g

May 11

198 ♂ Zapus

243-141-35-16-26.6g

199 ♀ Peromyscus

192-100-21-19-20.0g

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May 12 Dungeness Fish Hatchery, 600 ft., 4 mi. SSW Sequim, Clallam Co., Washington

200 ♀ Sorex	110-43-12- $\hat{9}$ -8.0g
201 ♀ "	116-53-14- $\hat{8}$ -7.3g
202 ♂ Microtus	130-37-17- $\hat{11}$ -24.2g
203 ♀ Peromyscus	166-84-20- $\hat{17}$ -18.6g

May 13

204 ♂ Sorex bendleri (marsh shrew)	152- 171 ⁷¹ -19- $\hat{9}$ -17.3g
205 ♀ Sorex	100-37-11- $\hat{8}$ -6.6g
206 ♀ Sorex	117-52-14- $\hat{8}$ -8.9g
207 ♀ Microtus	127-31-17- $\hat{11}$ -20.3g
208 ♂ Peromyscus	190-97-23- $\hat{20}$ -24.6g
209 ♂ "	167-80-20- $\hat{18}$ -16.7g

skull only
210 ♂ Microtusskull only
211 ♀ "skull only
212 ♀ "skull only
213 ♀ "skull only
214 ♀ "skull only
215 ♀ "skull only
216 ♀ "skull only
217 ♀ "skull only
218 ♀ "skull only
219 ♀ "skull only
220 ♀ "skull only
221 ♀ "skull only
222 ♀ "skull only
223 ♀ "skull only
224 ♀ "skull only
225 ♀ "

fa 34 - 4.0g

fa 34 - 4.1g no emb.

fa 34 - 4.4g 1 emb. 5 m.m.

fa 35 - 4.4g 1 emb. 4 m.m.

fa 33 - 4.4g 1 emb. 9 m.m.

fa 35 - 4.5g 1 emb. 8 m.m.

fa 35 - 4.6g no emb.

fa 35 - 4.6g 1 emb. 5 m.m.

fa 34 - 4.6g 1 emb. 6 m.m.

fa 34 - 4.6g 1 emb. 6 m.m.

fa 35 - 4.6g 1 emb. 6 m.m.

fa 34 - 4.6g 1 emb. 8 m.m.

fa 35 - 4.6g 1 emb. 8 m.m.

fa 34 - 4.7g 1 emb. 8 m.m.

fa 35 - 4.7g 1 emb. 8 m.m.

fa 35 - 4.7g 1 emb. 7 m.m.

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May 13 Dungeness Fish Hatchery, ± 500 ft, 4 mi. SSW Sequim, Clallam Co., Washington

skull only	226 ♀	Myotis	fa 34 - 4.7g	1 emb. 8 mm
skull only	227 ♀	"	fa 35 - 4.7g	1 emb. 8 mm
skull only	228 ♀	"	fa 35 - 4.9g	1 emb. 4 mm
skull only	229 ♀	"	fa 35 - 4.9g	1 emb. 8 mm.
skull only	230 ♀	"	fa 35 - 4.9g	1 emb. 8 mm
skull only	231 ♀	"	fa 36 - 4.9g	1 emb. 7 mm
skull only	232 ♀	"	fa 34 - 4.9g	1 emb. 9 mm
skull only	233 ♀	"	fa 34 - 5.0g	1 emb. 9 mm
skull only	234 ♀	"	fa 35 - 5.0g	1 emb. 8 mm
skull only	235 ♀	"	fa 35 - 5.0g	1 emb. 8 mm
skull only	236 ♀	"	fa 35 - 5.0g	1 emb. 10 mm
skull only	237 ♀	"	fa 35 - 5.1g	1 emb. 9 mm
skull only	238 ♀	"	fa 35 - 5.1g	1 emb. 10 mm
skull only	239 ♀	"	fa 36 - 5.1g	1 emb. 12 mm
skull only	240 ♀	"	fa 34 - 5.1g	1 emb. 9 mm
skull only	241 ♀	"	fa 35 - 5.1g	1 emb. 9 mm
skull only	242 ♀	"	fa 34 - 5.1g	1 emb. 11 mm
skull only	243 ♀	"	fa 35 - 5.1g	1 emb. 10 mm
skull only	244 ♀	"	fa 35 - 5.1g	1 emb. 7 mm
skull only	245 ♀	"	fa 36 - 5.2g	1 emb. 11 mm
skull only	246 ♀	"	fa 35 - 5.3g	1 emb. 10 mm
skull only	247 ♀	"	fa 35 - 5.6g	1 emb. 5 mm
skull only	248 ♀	"	fa 36 5.8g	1 emb 12 mm

May 14

249 ♂ Sorex palustris

145-69-19-7ⁿ-12.7g

250 ♀ " "

150-75-19-7ⁿ-8.2g

251 ♂ Sorex

99-40-12-7ⁿ-5.4g

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May 14 Dungeness Fish Hatchery, \pm 500 ft., 4 mi. SSW Sequim, Clallam Co., Washington252 ♂ *Sorex* 95-39-11-7ⁿ-6.0g253 ♂ *Aplodontia rufa* 370-34-57-23ⁿ-1285g

May 15

254 ♂ Crow 390g

255 *Taricha*May 16 Elwhah River, $\frac{3}{4}$ mi. SW Olympic Highway, (sec 38, T30N, R7W) Clallam Co., Washington256 ♂ *Zapus* 221-132-32-16ⁿ-17.7257 ♂ *Peromyscus* 194-106-22-19ⁿ-17.8258 ♀ " 162-84-20-16ⁿ-14.7.6 mi. S of Lyre Creek outlet from entrance to Lake Crescent, Clallam Co., Wash.259 *Taricha*

260 "

May 17 ~~2.6 mi. S~~ 5 mi. S Cannon Beach, Clatsop Co., Oregon261 *Thamnophis*May 18 1.3 mi E Gardiner, Douglas Co., Oregon \pm 10 ft.262 *Gerrhonotus*

263 "

264 "

265 *Aneides* (?)

266 "

May 19

immature

267 ♀ *Sorex* 103-40-13-8ⁿ-3.5g268 ♂ *Sorex benderei* 166-73-20-9ⁿ-22.0g269 ♂ *Zapus* 231-140-32-15ⁿ-21.0g270 ♂ " 235-144-32-15ⁿ-23.4g271 ♂ " 202-112-32-15ⁿ-24.2g272 ♂ *Peromyscus* 195-101-22-19ⁿ-21.1g

Catalogue

1956

May 19 Tahkenitch Campground, 6 mi. N Gardiner, Douglas Co., Oregon

- 273 *Thamnophis*
 274 "
 275 *Rana aurora*
 276 " "

May 20

- 277 *Rana aurora*
 278 " "
 279 ♂ *Sorex* 111-44-12-8ⁿ-4.5g
 280 ♀? " 119-58-14-8ⁿ-5.9g
 281 ♀? " 112-56-14-9ⁿ-4.5g
 282 ♂ *Zapus* 226-139-32-15ⁿ-23.2g
 283 ♀? " 231-138-31-15ⁿ-20.0g
 284 ♂ *Peromyscus* 182-93-22-18ⁿ-18.5g
 285 ♂ *Peromyscus* 191-99-23-17ⁿ-21.2g

May 21

- 286 ♀ *Sorex* 126-61-14-9ⁿ-4.6g
 287 ♂? " 123-59-15-10ⁿ-5.9g
 288 ♀ " 116?-58?-14-9ⁿ-4.2g
 289 ♂ *Zapus* 247-147-33-16ⁿ-26.3g
 290 *Thamnophis*
~~291 ♀ *Sorex pacificus* 141-61-16-10ⁿ~~

1.3 mi. E Gardiner, Douglas Co., Oregon, ± 10 ft.

- 291 ♀ *Sorex pacificus* 141-61-16-10ⁿ

May 21 6 mi. N Ophir, Curry Co., Oregon

- 292 *Taricha*
 293 "
 294 "

Catalogue

1956

May 21 6 mi. N Ophir, Curry Co., Oregon295 *Taricha*

296 "

297 "

298 "

299 *Hyla*

300 "

301 "

302 "

303 "

304 "

305 "

May 22 1.3 mi N Wedderburn, Curry Co., Oregon306 ♂ *Microtus*156-54-22-12ⁿWide Fresh Water Lagoon, 3 mi. SW Orick, Humboldt Co., California307 *Gerrhonotus*

308 "

May 23 Morrow(?) Ranch, ± 1450 ft., 5.3 mi. NE Capetown, Humboldt Co., Calif.same
nest309 ♂ *Phenacomys*146-58-20-11ⁿ-17.5g

310 ♀ "

144-55-20-9ⁿ-17.9g3.2 mi. NW Petrolia, Humboldt Co., California.311 ♀ *Phenacomys*158-64-20-10ⁿ-27.0g5.2 mi. SE Petrolia, ± 250 ft., Humboldt Co., Calif.312 ♂ *Phenacomys*153-61-18-11ⁿ-20.5g

NWS 4, T4S, R1E N Fork Bear Creek

May 24 10 mi. by road S Honeydew, ± 1200 ft., Humboldt Co., California313 *Rana boylei*314 *Sceloporus*315 *Gerrhonotus*

Catalogue

1956

May 24 10 mi. by road S Honeydew \pm 1200 ft., NW Sec 4, T4S, R1E, Humboldt Co., California316 *Rhycolitris?*13 mi. by road S Honeydew, Sec 16, T4S, R1E, Humboldt Co., California317 *Rana boylei*3 mi. SW Brice Land, Humboldt Co., California318 *Gerrhonotus*

May 25

1.1 mi. SE Gualala, Sonoma Co., California319 *Bufo*

320 "

321 "

322 "

323 *Rana*324 *Batrachoseps*325 *Taricha*

326 "

327 "

328 "

329 "

June 16

Ingram Canyon, 5.4 mi. NW Westley, Stanislaus Co., Calif.

skin only

330 ♀ *Dipodomys*

290-173-42-15

June 18

1.0 mi. SE Inverness, \pm 25 ft. Marin Co., Calif.331? *Sorex townsendi*

124-52-14-8

332 ♂ *Thomomys bottae*

266-83-34-7

June 16

Westvaco Mines, Santa Clara Co., California333 ♀ *Eptesicus fuscus*

116-47-10-17

334 ♀ " "

112-44-10-17

335 ♂ *Antrozous pallidus*

110-42-13-29

336 ♂ " "

110-41-13-28

Journal

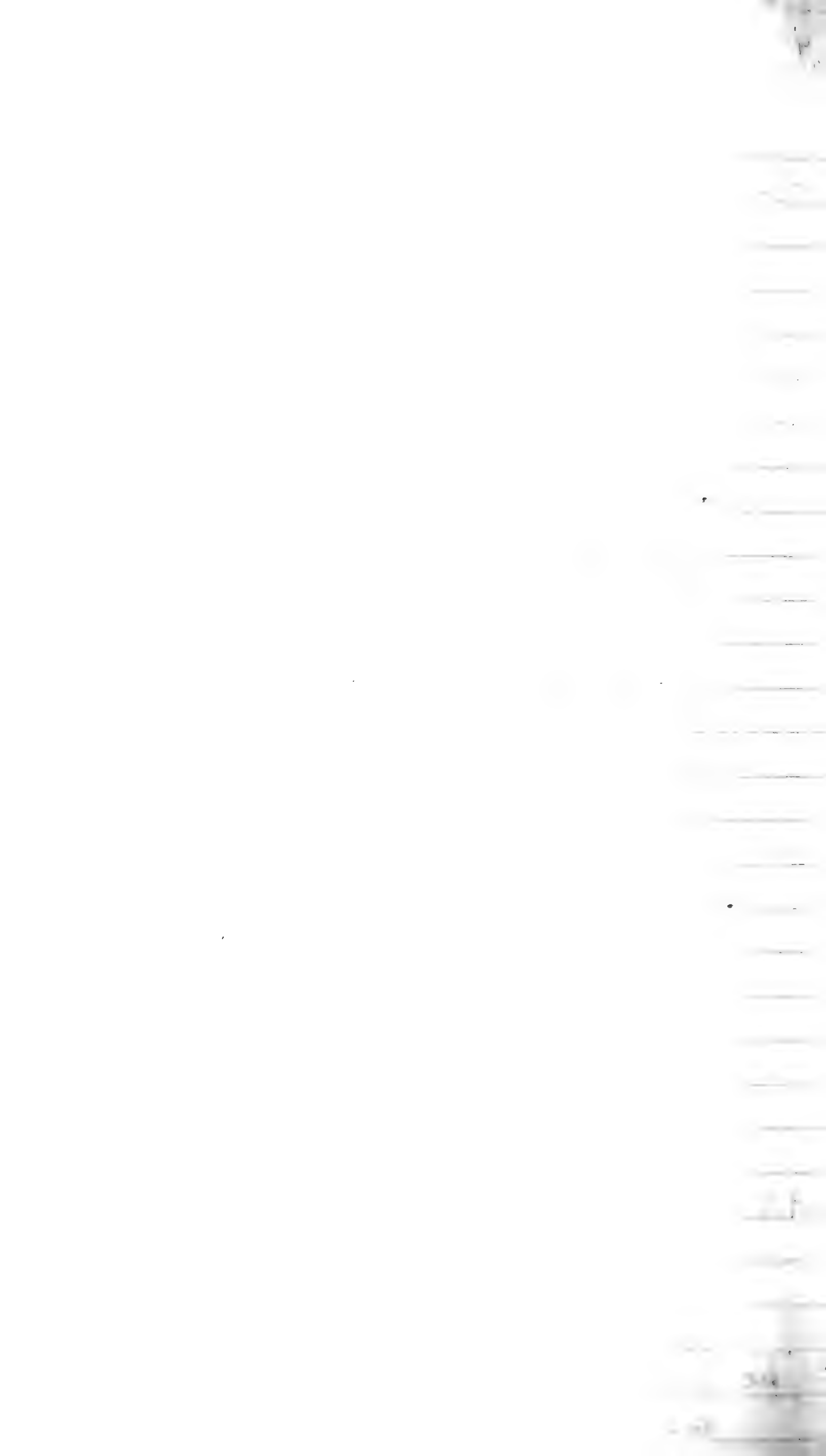
M Brock
1954

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Oct 2 Sagehen Cr. basin 6400 ± ft 3 mi NW Hobart Mills
Nevada Co., 25 mouse traps set out on north
side of stream 1/4 mile above Sagehen Camp.
One mole trap set in meadow 1/2 mile
below camp. Also set 6 pair of gopher traps
in same meadow. Set out eight skyler
traps in rock slide on north side of Sagehen road.
Rock slide located about 1.5 miles above camp.
Caught in traps set out by Seth Benson the previous
night, were about 3 Peromyscus maniculatus
and about 9 specimens of Eutamias amoenus
and E. speciosus. Caught in a skyler set
by Bob Hoffmann, was a Chickaree. A
dead Microtus was used. Benson also shot
an other specimen during the day. ^{Also set 50} live traps

Oct 3 At same location at Sagehen Creek in Nevada Co.
Retrieved traps, from live traps
1 live male chipmunk 6 live Peromyscus
1 live sex unknown, 4 live ♀, 1 live ♂
dead in trap 2 ♂ 1 ♀ Peromyscus.
In skyler traps 1 chipmunk caught.
In snap traps one chipmunk, 2 Microtus
and one shrew

Oct 30 Trip to cabin one mile South of Inverness
Marin County. Went to location 3 miles
West of Inverness where Seth Benson had
set 9 steel traps in hope of catching mountain
beaver (Rhynchocyon). Checked traps and removed
two woodrats (Neotoma) nothing else, left



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traps set. Found a dead grey squirrel on road on trip up to Inverness. Found along road in Samuel P. Taylor Park Section in Marin Co. Set out 30 snap traps 2 miles west of Inverness at 35 \pm ft elevation. Also checked \pm 50 traps set out previous day in same location by Dr. Benson. Caught about 5 shrews and 2 meadow mice. Put up skin of one woodrat.

Drove to Russian River Area in Redwood and Douglas fir area looking for Red tree mice, Phaenocomys. At first location nest was taken apart and one tree mouse came slowly walking down the tree stump, was easily caught and placed in a sack. At second location a large nest was torn apart revealing 2 very young individuals (eyes not open yet) and three adult mice. Nest had a base of mud and branches but was composed mainly of pellets and the residuum of Douglas fir needles which had been eaten. Nests were usually placed at base of branches in thickly leaved trees.

Oct 31 Rechecked traps (steel) 3 miles west of Inverness and recovered one more woodrat and a live mountain beaver, Aplodontia. Steel traps were set in the burrows of the mountain beaver.

March 12
1955

Sagehen Creek basin Nevada Co. \pm 6400 ft
3 mi NW Hobart Mills. Found a woodrat

111

112

113

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1955

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on its nest in the tool shed at Sagehen Camp. Poison was put out for the rat about a month previously, therefore the rat may have been dead for 2 or 3 weeks. It was still in good condition due to the cold weather.

March 21 Two Microtus caught by R. S. Hoffman were put up as study skins. Caught in Tilden Park, Contra Costa Co. Phenacomys specimen was put up, data follows.

mileage 50504.1 Freestone junction Rd to Occidental

50505.15 - 1 red tree mouse

(1 mi. N Freestone)

50507.5 Chickaree 507.8 Occidental

509.3 Camp Meeker 511.8 3 red tree mice + 2 young ~~5~~ 514.3 Monte Rio.

March 31 Put up specimen of Peromyscus californicus (no. 19) which was trapped in Tilden Park by Bob Hoffman on March 19, 1955

April 2 Recorded and catalogued nine skulls which had been collected at a previous date by me but had never been written on the records

1 Citellus lateralis skull collected 7-25-53

1 Citellus beldingi skull collected Aug 1953

2 Microtus montanicus sierrae skulls collected 6-26-53

2 Peromyscus maniculatus skulls collected 7-1-53, 7-10-53

1 Sorex obscurus skull collected 6-26-53

These 7 skulls collected at Sagehen Creek basin 6400± ft Nevada Co. About 3 mi. NW Hobart Mills. The Sorex and Microtus were trapped by Bob Hoffman. Also

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Catalogued was one Thomomys bottae skull which was collected in May 1952 along Cragmont Ave in Berkeley Alameda Co. Calif. Animal was found alive on a lawn. Also recorded was a Scapanus latimanus skull which was removed from a specimen found in backyard of a home along Santa Clara Ave between Morten and Benton Streets in Alameda, Alameda Co on 4-29-52.

April 23

Sagehen Creek basin ± 6400 ft. 3 mi. NW Hobart Mills, Nevada Co. 15 steel traps, no. 0, were set out in hope of catching a weasel. As an experiment, canned sardines were used for bait. Traps were set out at 9:00 in morning. When checked at 12:30, 2 traps had been disturbed while a third had a beechyi ground squirrel. Nothing was caught on other checks this day.

April 24

Traps were checked in morning. Nothing in traps except one Peromyscus. The traps have now been rebaited with parts from the ground squirrel caught yesterday. The traps were checked at noon and a downy(?) woodpecker had been caught in the same trap that the Peromyscus had been caught in. The traps were baited with more sardine along with the ground squirrel meat.

April 25

The traps were checked at 8:00 in the morning and a weasel had been caught in the same trap that had caught the Peromyscus and the

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Journal

woodpecker. He had been caught by his front legs and in an attempt to free himself, it appears that he ate both his front feet and legs off. Sardine and ground squirrel had been used as bait. The skin was put up and the weasel scent spread on the various other traps and also pieces of its carcass placed by other traps. Last night about 7:00 PM it started snowing and has continued to snow all through today. When traps were checked in the evening nothing had been caught since most of the traps were under 5-6 inches of snow.

April 26

Nothing was caught in traps today since traps were under 19 inches of snow this morning. Snow kept up until about 2:00. Eleven traps have been set out for tomorrow in a new and different location. Sardines were used for bait.

May 2

A *Perognathus* and *Peromyscus* were brought to the U.C. M.V.Z. by an entomologist who had collected some ectoparasites off of them. Dean Furman had collected them and preserved them by injection and preservation in alcohol. Although collected on April 25, these specimens were put up on May 2. Three *Myotis* were put up as study specimens for the Museum. These bats had been caught by Prentice Bloedel.

May 5.

May 6.

One *Myotis*, the locality of which is not sure was put up as a study skin. It was caught by P. Bloedel in either

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Arizona or Riverside Mts.

March 26

A *Perognathus* collected by Jerry Cook ~~at May 7~~ in Tilden Park was put up as a study specimen on May 7.

April 9

A Pocket gopher caught by S.B. Benson on a field trip was kept in the freezer until May 7 when it was prepared.

May 7

A yellow headed blackbird and a brewers blackbird shot by W.C. Russell at 10 mi S Marysville, Yuba Co. were put up as study skins on May 12 after keeping the specimens in a freezer

May 15

One of the deer mice caught by S.B. Benson on April 9 was prepared as a specimen

May 22

A female quail was found dead on road 1.5 mi St Marys College on road leading to Lafayette

May 23

A tri colored blackbird shot May 7, 1955 by W.C. Russell was prepared as a specimen

May 28

A deer mouse caught by S.B. Benson on April 9, 1955 in Tilden Park was prepared as a specimen

June 9.

A dead opossum was found on the road between Life Science Building and the Steam Plant on the U. C. Campus. A study skin was prepared. Animal in good condition except for part skull broken.

April 9

A brown toad caught in a snap trap in Tilden Park, Contra Costa County, by Seth B. Benson was prepared as a study skin on June 24. Sex was not determined

?

A *Tupaia* trapped alive by R.H. Henderson in Siam

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near Bangkok was given alive to Dr. Pearson of M.V.Z. but the tree shrew died in captivity on June 27 and was prepared as a study skin while the entire skeleton was also saved. The date of original capture is not known.

July 3.

A beliding ground squirrel was shot with a .22 rifle slug at Sagehen Creek basin. Left a slight hole in the skin but skull and skin saved and in good condition.

July 5

A female chipmunk was found dead in a live trap set out in hopes of catching a weasel. The dead beliding ground squirrel was used for bait. The chipmunk was dead in the morning since the temperature got down to 23°F the previous night.

July 15

~~A fox~~ Upon checking my cotton supply in the laboratory at Sagehen Camp, I noticed that much of the cotton had been torn into small pieces, then I noticed the cotton move. A *Peromyscus* had made its home here. This mouse was later prepared as a study skin.

July 17

On way to Truckee from Sagehen Basin a beliding ground squirrel was found near the bridge crossing Prosser Creek. The squirrel was put up on July 18.

July 7

The golden mantled ground squirrel found dead on the road on July 7, 1955 was prepared as a study skin on July 20. The skull was not worth saving.

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Journal

July 23

A group of four very young golden mantle ground squirrels was located in the Sagehen Camp yard. Some children in camp started playing with them causing one to die, this specimen, which was probably a male was put up as a skin.

July 24.

Went for a walk in Sagehen basin to an open area one mile south from the main spring. This is in the direction across Sagehen Creek from the road. Here I climbed a tall white fir in order to make observations on animals. Just after stopping and sitting down on a branch I started to look around me when a black bear came slowly walking in my direction quite unaware of my presence in the tree. He disappeared behind some trees and once again reappeared at a slow pace. Having a "predator call" with me I used it which had no effect whatsoever on the animal. Trying to halt the animal or attract its attention I smacked my lips which scared him and caused him to immediately run away in great haste. His fur was a pale yellow in color with blackish feet.

July 26

Another one of the immature golden mantled ground squirrels referred to on July 23 died

Aug 2

A mother packrat and three young (still stuck to the mother's nipples) were captured by Peter Brussard near Reno. Were brought to Sagehen Camp where they escaped. Next day they were

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all found in the tool shed. They were killed and prepared. Brussard lives in Reno, Post Office Box 2525. Peter Brussard and Allen Sutton are two high school boys who like to collect (kill) specimens for study skins. They are employed at the Sagehen Creek Project

Aug 6

A deer mouse was trapped at the Sagehen Creek Project in a live trap. It was a lactating female.

Aug 8

Allen Sutton and Peter Brussard went out along the "stock trail" road at Sagehen Creek Basin and Peter shot a bat, Myotis volans, while in flight (the bat)

Aug 11

Both Al and Pete (see Aug 7) went out along the Sagehen stock trail road in search of shooting bats. Al shot one Myotis volans in flight with 22 shoot and later on the way back to camp shot a porcupine

Aug 20

Al and Pete went out in the "front yard" (in front of garage) in the evening and shot two bats which flew over the Sagehen Camp area. The bats were silvery haired bats. One bat could not be found that evening but was found the next day with a broken wing, hanging upside down at the base of a tree

Aug 21

When Peter Brussard went home he also went to an old mine cave 10 mi SE of

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Aug 21

Reno and he and Allen Sutton swatted down approximately one dozen bats. Pete put up about two skins. Allen put up specimens 70, 73 and 75 and gave me the skulls. Some of the bats were kept alive for a few days, the last one being killed a week later and then being put up as a study skin. Allen Sutton lives in Lafayette at 3244 Glenview.

Sept 2.

A chipmunk was caught in a live trap on August 31 and was kept alive until today. Reason for its death is unknown.

Sept 3.

Driving along the "shortcut" road from Brockway to Truckee I watched a car hit a chipmunk. The rodent was collected and taken back to camp where it was prepared. The skull was not worth saving. It was collected seven ^{SE} miles from Truckee, therefore it was probably in Placer Co.

Sept 25

A raccoon was found dead on road about 1/2 mile below (W) the U. C. Botanical Gardens in Berkeley, Alameda Co. It was a very young one and still in good condition. Skull and skin saved.

Sept 10

Bats (Macrotis) that were collected by Prentice Bloddel in Pinal Co. Arizona were frozen by him and some were given to me on Sept 29

1955

and prepared as study skins. Four specimens were prepared on the 29th. Two more were defrosted and prepared on Oct 4th. On Oct. 11 three more *Macrotus* were prepared and one *Myotis velifer*. On Oct. 12 three *Myotis velifer* and one *Tadarida mexicana* (all from same locality) were put up. The nine *Macrotus* and three *Myotis* (no. 89, 90, 91) died on Sept 12, 1955. All of the rest of the bats in this group *Myotis* and ~~Tadarida~~ *Tadarida* died on Sept. 13, 1955. On Oct. 14, 5 *Tadarida* were defrosted and put up as study skins. On Oct. 17 four *Tadarida* were defrosted and prepared as study skins. On Nov., 11, The last six of the *Myotis velifer* were prepared these include No. 129-134. Specimens 103-111 were prepared some time in the latter part of Oct

Oct 25

Ralph Raitt has a set of traps out near Inspiration Point, Contra Costa Co. in order to live trap quail. A brush rabbit was taken in a trap and died in its struggles. The specimen was given to me and prepared. Specimens 113-122 were defrosted and prepared in the latter part of October.

Sept 10

Mr. Bloedel recieved a shipment of live bats from arizona. One specimen appears quite different (in its forearm length) was killed and prepared. The exact locality of

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1955

Sept 10

capture is not known at the present time but the information will be received soon.

Specimens 124-128 were prepared on about Nov. 2, 1955

Nov 14

A fox squirrel was found dying by a student on the U.C. Campus and was brought in to me. On the same day a house mouse was put up as a study skin. It was caught on the fourth floor of the Life Science Building on the U.C. Campus.

approx June 15
~~Dec. 1951~~

A grey squirrel which had been found dead on the road about June 15 in Marin Co. Calif. was prepared as a flat skin. The squirrel was found by Al Jones and kept in the freezer until Nov. 16. when it was prepared as a flat skin.

Dec 18.

Huanacastle, ~~approx~~ 10 mi SW Palmer, Sinaloa, Mexico

On Dec 16, Bill Hamilton III and Bill Maher and Ameros and I left for Mexico in Hamiltons 1955 Ford station wagon. After much preparation for leaving at 5:00 PM, we finally got off at 7:30 with a very much loaded car. It was raining when we left Berkeley. With the car so arranged that three people could sit in front while one person laid down on an air mattress on top of the load we got off. Hamiltons

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Dec. 18

Huanacastle \pm 2 mi. SW Palmar, Sinaloa, Mexico
dog (setter) also rode on the back load. We went through Los Angeles (much fog) and to Tucson Arizona and Nogales. Driving both day and night on a rotation system we reached Nogales and the border at about 7:30 on Saturday the 17th. It was the biggest force getting across the border. In order not to have to unload the car and revolvers and "ammo" we gave the gentlemen at the border two dollars and he put a stamp on one suitcase and a chalk X on a duffle bag and we went through. Apparently this is quite a usual routine. Nothing was said about the dog and ~~no~~ one seemed to notice him. After leaving the border and following highway 15 along the coast (with destination B Magatlan in mind) we were stopped three more times within a hundred miles to show tourist cards and car permits. Cattle, burros and horses wander all over the roads and form a hazard especially for night driving. Also people mainly on foot, some on burros and many on bicycles are on the streets. These people may be found walking along the road many miles from any town. Reaching Magatlan at about 5:00 PM on the 18th of December, we went through on to Escuinapa and to Teacapan

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Dec 19

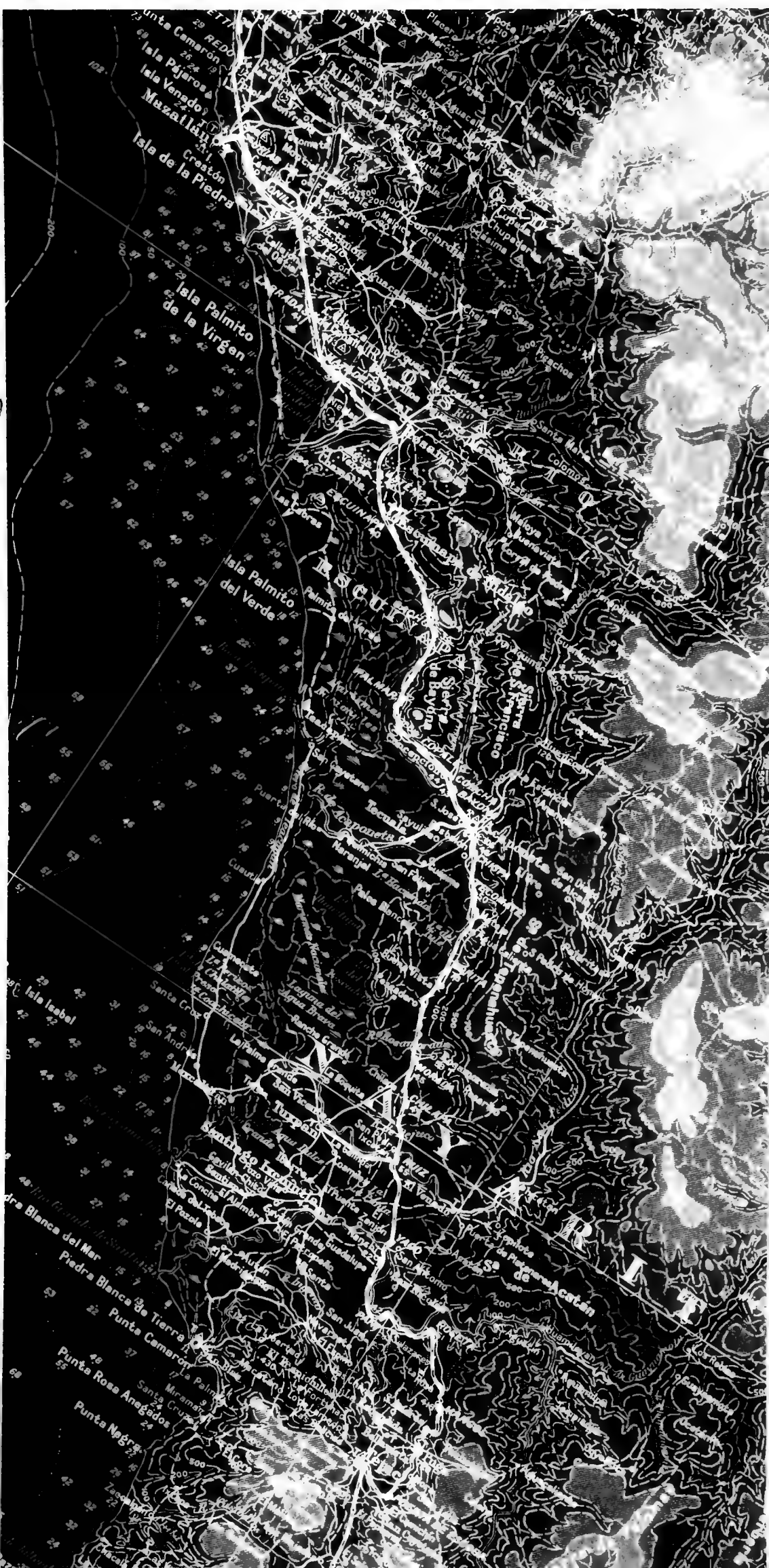
Huancastle, mi. SW Palmar, Sinaloa, Mexico
where we hoped to find mangrove trees and swamps
to make a study of its fauna. Since it
was late and not much more could be
accomplished we threw down our sleeping
bags and "hit the sack". All birds seen
(nearly all) were new to me. On way between
Nogales and Mazatlan we saw Black, ~~XXS~~
and turkey vultures, Caracaras, ravens,
vermillion flycatcher, magpie jays, parrots,
roadside hawks, cowbirds, red tailed hawk

On the morning of the 19th we ~~rooded for~~
took a reconnaissance of the area and
saw a few mangroves. Along the way
(in the area of Teacapan) we saw three kinds
of doves (Doves, white wings and ground)
shoveler ducks, black necked stilts, jacana,
white egrets

On my walk here I turned over a log and
found a "Hyla" like tree frog and a
Redivivid bug. Saw many Halaconid
butterflies (black and yellow striped

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Dec 19

between Teacapan and Puerta del Rio, Sinaloa, Mexico
butterflies). ~~At~~ Nearly the whole day was spent
bartering for a boat to travel the mangroves
with. No dysentery yet. Tonight we are
staying at Senor Angel Guzmán's "home"
at Huanacastle (I think this is the name
of his home)

Dec 20

In the morning we asked our "guide" (10 pesos
~~at~~ a day, ~~E~~ guide plus boat) where our boat
was - could not understand him - and he said it
had not come yet. We left Huanacastle and
went about 1 mile North of there and
established a camp. After more or less settling,
Hamilton, Maher and myself ~~then~~ ~~each~~ went
our own way to explore the area. The
vegetation is too dense to make any real
progress ~~through~~ and for a long distance
it is not advisable. The only clearings,
not really paths, are those made by
the cows that are running loose in the
hills. In my travels I saw a large
(about 5" diameter), long 4-5 ft. snake
coloration all black. Tried to catch
it but in the dense growth the snake was
faster than I was. At about 1:00 Hamilton
went out for a bird and came back in
about 15 minutes with a rodent I believe
to be ~~Sigmodon~~ ^{Sigmodon} ? The boat problem has more

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Dec 20

between Teacapan and Puerta del Rio, Sinaloa, Mexico
 or less been settled. Someone has brought the
 bought down to this area and it is now
 available. We may go out early tomorrow
 morning to the mangroves. The water
 situation has become difficult, our 5 gallons
 of water brought from Arizona has been
 used up, we are now using halazone
 tablets. The day was very warm (too warm
 to really do any field work) The evening right
 now is a very warm pleasant clear evening
 except for the mosquitoes and another
 very small biting insect (like chigger I think)
 Saw a squirrel cuckoo today

Dec 21

In the morning went into the mangrove swamps
 with Hamilton + Maher and the guide in a large
 canoe. Saw about three raccoons and many
 birds, I will make a check list of birds
 of the mangroves off Escuinapa in Sinaloa
 Mexico. In the afternoon Bill Maher and
 I went into Mazatlan for food, sulfa queredin
 pills, quinine pills and Halazone tablets.

Dec 22

At about 9:30 AM Maher, Hamilton and the
 guide and I finished packing all materials
 in the canoe and finished putting a
 rack on the canoe for an outboard motor.
 Going through the mangroves, the
 following birds were seen:)

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Between Teacapan and Puerta del Rio, Sinaloa, Mexico

1 Anhinga (snake neck bird)
 Glossy ibis
 white ibis
 american egret
 Snowy egret
 Belted Kingfisher
 Shoveler ducks
 Scaups
 black-necked stilts
 Avocets
 Boat-billed herons
 great blue herons
 Green heron
 Olivaceous cormorant
 Double crested cormorant
 Man of War (figate birds)
 Coots (mud hens)
 long-billed curlew
 tiger heron
 white pelican
 yellow ^{crowned night} crested heron
 Stork (wood ibis)
 Willet
 Scaups
 white-winged dove
 Douglas quail
 orange-fronted Parakeet

turkey vulture
 goshawk
 Black and white warbler
 Kiskadee flycatcher
 Black vulture
 yellow legs
 Bat falcons
 Caracaras
 Tree ducks
 white-fronted parrots
 Least Grebe
 Grackles
 Woodhewer
 Jacanas

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Between Teacapan and Puerta del Rio, Sinaloa, Mexico

This day was the first day of our four day trip into the mangroves. It aird at the beach of a village located here among the many islands. The "natives" were very friendly and although we could not speak with them they offered us a large squash and put it into the fire for us.

Dec 23

Kept moving through the mangroves and up the channel all day saw nearly all the birds on the list again. Shot and prepared a flycatcher. We shot 3 seagulls one quail and 2 doves for dinner.

~~Dec 23~~

After getting up in the morning, having oatmeal and squash for breakfast, we got in the canoe and went about \pm three miles more up (or down) the channel, made camp and explored the area. I shot a vermillion flycatcher and an oriole.

Dec 24

The last night camp was right by the channel and the number of fish in the channel must be phenomenal. The fish jumping (probably being chased by larger fish) is enough to keep one awake. Bill Mader claims he saw porpoises in the stream this morning. During the daytime fish are always jumping. Whole schools of fish can be seen making a wake in the water. Camp was broken about 11:00 PM.

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Journal

Between Teacapan and Puerta del Rio, Sinaloa, Mexico
and moved about 1/2 mile downstream
I set out what traps I had 1 steel trap 2 mouse
traps and one rat trap, baiting them with
peanut butter.

Dec. 25

The mornings in this area are very foggy and,
camped where we were under the trees,
our sleeping bags were very wet from the
drops of condensation dropping from the leaves.
Checked my traps and had a rat in my
rat trap. After breakfast went out to see
what life was around and shot a white
fronted parrot. As it was, we broke camp
after breakfast and got on our way so it
was not possible to get to the parrot in time
and it was thusly prepared as a skeleton. While
moving through the mangroves we spotted
an iguana perched on the limbs of a
mangrove. It was shot with 22 dust and
retrieved. After an eventful trip through
the mangroves we finally got back to
Huanacastle where they gave us a short
dinner and we got on our way to San
Blas. We arrived in San Blas about
10:00 PM and took a room at the Belmar
Hotel

Dec. 26.

after getting up and having breakfast at the
Torina restaurant we drove about looking

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San Blas, Nayarit, Mexico

at the countryside and the forms of life. In the afternoon we went back to these areas and collected specimens. I shot and prepared a kiskadee flycatcher from this area.

Dec, 27,

I took a walk in the morning to look at San Blas and some of its old buildings in hopes of finding bats. Fortunately I did find bats roosting in an old building which was still occupied and being used as brick manufacturing house. I had no idea how to get the bats down until I saw a small boy with a sling shot. But, the boy, not having any rubber bands used stones to knock down one bat. This attracted other small boys and soon they had knocked down five bats all of the same kind. I prepared them in the afternoon and then in the evening we all set out 30 traps apiece in the mangrove swamp area just to see what mammals do occur there.

Dec 28

Checked the traps in the morning and didn't have anything in my traps except for some crabs which have their holes in this soft, wet ground. Bill Hamilton caught one *Peromyscus*. At 3:00 we met Jose, a young man Hamilton had met the previous day and had claimed he knew

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San Blas, Nayarit, Mexico

where there were some bat caves. Jose, who speaks very good English took us to this cave and we got inside and stretched a hair net over the exit. Inside we shot many bats with the 22 dust shot. Most of the bats are a large red bat very close (if not the same as) to *Lasiurus*. Some others were leaf nosed bats (~~major macrotus~~) while one was a large blackish bat and many others were small reddish (with pointed ears) bats. We took these home and prepared as many as we could and were forced to pickle the rest.

Dec. 29

Left San Blas today. After packing and preparing to leave, we left at about 10:30 AM. for Mazatlan. Arrived at Mazatlan at about 5 PM after having one blow out on the way. Made reservations to stay for the night at the Hotel Fremont for 93 pesos a night for the three of us.

Dec 30

Getting up at 5:00 o'clock in the morning, eating breakfast and packing we got on our way. After one more blow out on the road and much delay we reached the border about 6:00 o'clock the next morning.

Dec 31

After leaving the border and driving all day and all the next night we reached Berkeley

E. M Brock

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U.C. Campus, Berkeley, Alameda Co., Calif.

at 8:00 on Jan 1, 1956

Feb 28

241 Los Altos Drive, Kensington, Berkeley, Contra Costa Co., Calif.

A Mr. Malcolm McKenna of the above address came to the Museum of Vertebrate Zoology with a weasel that his siamese cat had caught and brought to his home. The female weasel had 9 unimplanted blastocysts as determined by Dr. Pearson. The weasel was partly eaten, three legs were missing and a large part of the fore body was eaten.

Mar 27

2 mi. SW Yarnell Yavapai Co. Arizona.

Robert Glaser returning from the above locality where he had been collecting reptiles and amphibians brought back a bat Pipistrellus hesperus. ~~which he~~

The measurements as taken by Dr. Benson were

72-29-6-12(hatch)-9(crown), unis expansion 194, weight 2.4 g.

c. 25 1955

between Teacapan and Puerta del Rio Sinaloa, Mexico

On Dec. 22, 1955 when we were getting ready to leave for our four day boat trip into the mangroves, the lady living in the dwelling next to channel where we were packing our boat, brought out a dried coyote skin to show to us. We could not understand them but they knew that we were interested in the local fauna. When we returned from our boat trip, I offered them 5 pesos for the skin and a deal was made. No date of capture could be ~~established~~ established. Locality was just "somewhere in the swamps"

~~EM~~ Journal

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May 2

± 10 mi. S of Orick, Humboldt Co., Calif.

Left Berkeley this morning to go with S. B. Benson to the States of Oregon and Washington. We left at 9:00 AM in Benson's jeep station wagon and towing a two wheel trailer. Went up highway 101 through Hopland, Laytonville, Piercy and Fortuna. Slept in the station wagon at about ± 10 mi. S of Orick near Stone Lagoon.

May 3

4.2 mi. S Molalla, Clackamas Co., Oregon

Left Stone Lagoon and went through Crescent City, Calif. and collected one Aneides and one Batrachoseps at 2.6 mi. NE from Crescent City, Del Norte Co. This was along highway 199. Went through Gasquet and over Hazel Summit, and to Grants Pass, Oregon. From there ~~to~~ through Roseburg, Eugene, Albany, Salem, to Silverton to Molalla where we tried to get some Phenacomys but all nests seemed to be squirrel nests. Slept in car parked in a gravel pit 4.2 mi. S of Molalla.

May 4

Tacoma, Pierce Co., Washington

Left Molalla and went to Portland, Oregon to get collecting permits to collect in Oregon on way back from Washington. From Portland drove ~~to~~ along Columbia River to Cascade Locks. Looked for possible pocket gopher sites. Crossed bridge into Washington and drove towards Vancouver. On way went through heavy rain

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May 4

Tacoma, Pierce Co., Washington

storms. Drove up highway 99 through Woodland, Kelso, Chehalis, Centralia to Olympia and Tacoma to stay at Murray Johnson's house for the night.

May 5

Set out 12 gopher traps at 2 mi. S Roy in Pierce Co. While at this locality two garter snakes were taken - one a yellow and black coloration, the other a greenish and black coloration. Still staying at Johnson's place at 105 Tacoma St., Tacoma.

May 6

Went out to retrieve the traps set out yesterday and no gophers had been caught. Dr. Benson, though, did catch three - two females and one male. The location was the large meadow (or prairie) at the E. K. Murray Ranch 2 mi. S of Roy, Pierce Co. In afternoon Johnson took Dr. Benson and I to the Puget Sound Museum where we looked at the specimens in the collection. It is a rather disorganized collection consisting of about 6000 specimens. Then we went over to Alex Walker's son's home. ^{Ken Walker} He had just completed his thesis on 6 subspecies of Gophers.

May 7.

Jct. Dungeness & Greywolf R., ±800 ft., (Sec. 30, T29N, R3W) Clallam Co., Washington

After eating breakfast at Murray Johnson's ^{place}, Dr. Benson and I left for the Olympic peninsula. We left Tacoma and drove through Olympia, Shelton, Quilcene and ~~Ogish~~ Gardiner and turned off the main high-

M. Brock

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May 7

Jct. Dungeness + Greywolf R., ± 800 ft (sec 30, T29N, R3W) Clallam Co., Wash.

way near Blyn which is located by Sequim Bay.

The turnoff, dirt road is near the Sequim Bay State Park.

The dirt road was followed for about five miles to the point where the Dungeness River enters the Greywolf River at an elevation of about ± 800 ft. Made camp and set out 60 snap traps and 10 skyler traps.

May 8

Checked traps in the morning and removed four Peromyscus, one Sorex and one Microtus. When checking the traps at about three o'clock one Clethrionomys was caught. 46 more snap traps were put out. While setting these traps 2 small toads and one tree frog were seen near the shore of the stream - one toad was collected. A very strong skunk odor has been present at and about our camp site - Two steel traps have been placed out to try and catch the skunk.

May 9

When ^{8 am} checking ~~the~~ the traps this morning a toad had been caught in one of them - this toad was kept. Also caught were four more Peromyscus and one shrew. All of the animals caught were taken in the traps that had been placed out yesterday, not the traps that were left out from the day before, walnuts are being used for bait. The skyler traps that had been set previously were baited with sandvine and oats. The ^{skyler} traps out tonight are baited with the carcasses of other trapped animals. Weather has been fine, so far.

M. Brock

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May 10

Ma

Jct. Dungeness + Grayswolf R., ± 800 ft. (sec 30, T29N, R3W) Clallam Co., Wash.

Another toad was taken on the morning walk checking the trap line. All that was caught in the traps were two *Peromyscus*. The day was very cloudy ^{some rain during} ~~the day~~ ^{yesterday} and some last night. ~~During the day~~ a fish hatchery truck came by and the man in the truck - superintendent of Dungeness Fish Hatchery, Ernie Branson - told us he was looking for a place along the stream where he could plant fish when the time came. Dr. Benson asked him whether he knew of any building occupied by bats. He commented that the hatchery building had bats in the attic. We asked if there was a place nearby to camp, he said there was. Because we knew about this new locality, we left our campsite at about 11:00 o'clock after having prepared our days mammal catch. We arrived at the Dungeness Fish Hatchery at about 1:00 PM and talked to Mr. Branson who told us the bats were still in the hatchery. Since the attic was right overhead the living quarters of one of the hatchery helpers who had his children sleeping until two o'clock, we did not go into the attic until 2:00. The attic was a very warm dark room occupied by many bats. We grabbed as many as we could and stuffed them in a sack. The bats were grouped in two major bunches. There appears to be two species of *Myotis*. Of all the specimens taken only one was a male. Five were prepared as study skins the rest were put ^{alive} in the

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May 10

Dungeness Fish Hatchery \pm 500 ft., 4 mi. SW Sequim, Clallam Co., Washington

hatchery's cold room for future use. A line of 42 traps was set out.

May 11

The only things caught in last night's traps were one Zapus and one Peromyscus. The name of the helper at the hatchery who occupies the quarters in the hatchery building near the "bat attic" is Keith Linton (twice + 2 children). During a walk around the campsite a pair of harlequin ducks were seen swimming in Canyon Creek which flows into the Dungeness. The same trap line was left out for tomorrow.

May 12

Two Sorex, one Microtus and one Peromyscus were taken in last night's traps, these traps were ~~left out~~ rebaited and left. Three more traps were set, two steel traps, five skylar traps and 23 snow snap traps.

May 13

A marsh shrew was taken in one trap which had been placed on top of a mossy log located among many alder trees and nettle plants. Also caught were two ^{other} shrews, two Peromyscus and one Microtus. It took until about 2:00 to finish preparing all these specimens whereupon we took the bats from the cold room to prepare as specimens. All the bats appeared to be dead when they were removed from the cold room - none of them made the slightest movement. Upon removing the bats to the outside and counting and lining them up on the ground, we noticed

E. M. Brock
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- May 13 Dungeness Fish Hatchery \pm 500 ft., 4 mi. SSW Sequim Clallam Co., Wash.
The bats slowly "coming back to life". D. Benson took 10 more to prepare as skins while I took the remainder and weighed them, measured the forearm checked the embryos and saved the skulls only. Benson went out in the evening to set some more traps and came back with a snowshoe rabbit he had shot. Set out three steel traps in some mountain beaver run ways in a small meadow..
- May 14. Picked up the trap line this morning and retrieved all specimens. Two water shrews had been caught near a weir across the Dungeness River. Also two ^{other} Sorex species were caught. A mountain Beaver was caught in one of the steel traps. Prepared the shrews took all morning and prepared the mountain beaver took all afternoon. Twenty traps have been set out tonight around and on the weir crossing the River.
- May 15 Elwah River, $\frac{3}{4}$ mi. SW Olympic Highway (Sec 33, T30N, R7W) Clallam Co., Wash
No animals were caught in the 20 traps that had been placed out ~~at~~ the weir at the Dungeness hatchery. A crow was caught in a steel trap that had been placed out for raccoon. It had been attracted by the intestines ~~that~~ (from the snowshoe rabbit) which had been used as bait. At about 1:00 o'clock we broke camp and went to Port Angeles and from there to the Elwah

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May 15

Elwah R. $\frac{3}{4}$ mi. SW Olympic Highway Bridge (Sec 33 T30 N, R7 W) ^{Challum Co.} Washington

River. After crossing over the Bridge and following the road for about a mile we turned left on a dirt road to go to Mr. Lordson's residence, who was supposed to have bats (*Myotis keeni*) in his attic according to Murray Johnsons. We could not find a one. We are now camped about 2 miles from Lordson's home.

May 16

Raft Creek

Of the 42 traps placed out last night by the Elwah River, two had *Peromyscus* in them and one a *Zapus*. After leaving the Elwah we started going west slowly while looking for old buildings which might possibly have bats; many houses were investigated but no bats were found. At one house the man told us of an abandoned railroad tunnel by Lake Crescent. We drove to it, the location being about one mile South of the outlet of Tyre Creek from Lake Crescent. The tunnel was very large and long and also very moist. No bats were present. Two salamanders were found near this locality. We continued on highway 101, the Olympic highway, to Sol Duc, Sappho, Beaver, Callawah R., Queets and into Grays Harbor County where we are now camped by the highway next to Raft Creek. Fifty snap traps have been set out.

E. M. Bock

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May 17 6 mi. SE Neskowin, Tillamook Co., Oregon

The fifty traps set out last night at Raft Creek did not yield a single specimen. Dr. Benson with the same number of traps caught one *Peromyscus*. Had breakfast and left camp about 7:00 A.M. drove through Neilton, Aberdeen and past Raymond, 42 miles ^(south) beyond Raymond we stopped to look in an old building for bats. We found one *Corynorhinus* in the attic. This locality was 1.3 miles north of the Megler Ferry turnoff from highway 101. Then drove through Chinook, ~~stopped and looked at the old Fort Clatsop site.~~ and to Megler to take the Ferry to Astoria Oregon. After leaving Astoria we drove to the site of old Fort Clatsop. At 2.6 miles ~~beyond~~ south of Tolovana Park a garter snake was taken, ^{DOR.} ~~this was also 1.5 mi. N of Arch Cape.~~ ^{and 5 mi S Cannon Beach} we have followed highway 101 along the coast through Tillamook, Beever and Neskowin and are now camped about 6 mi SE of Neskowin in an experimental tree farm. No traps have been set out. ^{and 5 mi S Cannon Beach} ~~is the~~ ^{the} ~~Cascade Head~~ ^{Cascade Head} ~~tree~~ ^{tree} ~~farm~~ ^{farm}.
May 18 1.3 mi. E Gardiner, Douglas Co., Oregon

Left the camp site in the Cascade Head Experimental Tree Farm at 6:30. and drove south along the coast to Gardiner where we made camp a little south and east of the city.

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May 18 1.3 mi. E Gardiner, Douglas Co., Oregon

Found a large pile of logs on which the bark was peeling. Much of the wood underneath was rotten and damp.

It was under this bark that two *Aneides* like salamanders were found.

Also found in this habitat were three alligator lizards. One garter snake got away but had also been under the bark. Fifty snap traps were placed out along a small stream, elev. ± 10 ft.

May 19

Tahkenitch Camp, Tahkenitch Lake, Douglas Co. Oregon

Picked up the traps at Gardiner and had one very small shrew #267, one marsh shrew, one *Peromyscus* and three *Zapus*. We decided to break camp and prepare the specimens in a more favorable environment. We ~~over~~packed and went north for about 7 miles where we are now camped in the Tahkenitch public Camp grounds. In my search around the marshy surrounding area I found two garter snakes and two red legged frogs. Tonight there have been 67 snap traps set out in marshy areas and next to a small stream in hopes of catching shrews. This camp is 6 miles north of Gardiner.

May 20

In last night's traps, two *Sorex*, two *Zapus* and two *Peromyscus* were caught. While checking the traps two red legged frogs were taken. ~~Last night~~

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May 20

Tahkenitch Camp, Tahkenitch Lake, Douglas Co., Oregon

This morning, just like yesterday morning, was very foggy and wet. All bushes were heavily covered with dew. Most of the day was spent preparing specimens caught. In the afternoon, all the traps, which had been left out, were rebaited. ~~A~~ A trip was made to our first Gardiner locality and another fifty traps were placed out.

May 21

The traps near our camp at Tahkenitch were checked and picked up. Three *Sorex* and one *Zapus* were in the traps. A garter snake had also been caught in one of the traps. A trip was then made to the locality 1.3 mi. E of Gardiner to check the fifty traps there. No animals at all were in the traps. These traps were left to be picked up later in the day. The morning was spent preparing specimens and in the afternoon we packed, left camp, went to ^{the} Gardiner locality to check traps, where one *Sorex pacificus* (a large brown shrew) was caught, and then started south. Passed over the Umpqua River, went through North Bend, Bandon and into Curry Co. Went through Port Orford and pulled off to the side of the road in a gravel pit ~~at~~ about 12 miles south of Port Orford and ~~also~~
6 mi. N Ophir, Curry Co., Oregon

It was already getting dark but a large part of

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May 21

6 mi. N Ophir, Curry Co., Oregon

fresh water could be seen next to the gravel pit and tree frogs could be heard croaking. Seven *Hyla* were collected from this pool and also seven *Daricha*. The Ocean is only about $\frac{1}{2}$ mile west of here.

May 22

Left this locality and started driving south again along the coast. At 1.3 mi. N of Wedderburn (which is right at the mouth of the Rogue River) a weasel was collected dead on the road. A *Peromyscus* lay dead about two feet from the weasel and presumably was being carried by the mustelid when a car hit them. These were collected and later I prepared the mouse and Dr. Benson the weasel. We drove on through Gold Beach where we ate breakfast, Pistol River and over the California line, through Crescent City and past Orick. We stopped at Fresh Water Lagoon just north of Stone Lagoon to look for a campsite. We picked up two *Georchonotus* on the west side of the lagoon. We drove on to a turnoff on the west side of the road, 5 miles S of Orick, which took us to Stone Lagoon where we stayed for the night. Fifty snap traps were set out.

May 23.

N side Stone Lagoon 5 miles S Orick Humboldt Co., Calif

I caught nothing but *Peromyscus* in my traps. Dr. Benson got a couple shrews and many *Peromyscus*. Only the shrews were kept. Left Stone Lagoon and drove Arcata and Eureka on highway 101.

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May 23

Morrow? Ranch \pm 1450 ft., 5.3 mi. N E Capetown, Humboldt Co., Calif.

and then to Fernbridge and here turned off 101 to go west to Ferndale and Capetown.

After leaving Ferndale we started looking for red tree mice in the Douglas Fir trees. Along the road, where a logging road sign stated "no trespassing, Morrow? Ranch" [not sure about the Morrow] we climbed a tree and caught two *Phenacomys*. At this same locality we found a nest with two adults and three young tree mice. Driving along the road we found another nest with one subadult at 3.2 mi. NW Petrolia, and still another nest with one subadult at 5.2 mi. SE Petrolia. Then we passed through Upper Mattole and Honeydew which are both logging camps. The road is very rough and becomes very steep beyond Honeydew. At the top of a knoll we took a fork to the west, this fork was across a large "airstrip" clearing.

May 24

Camped last night down in the valley at 10 mi. by road S Honeydew, \pm 1200 ft., N Fork Bear Cr. Humboldt Co., Calif.

Caught various lizards and amphibians around campsite. Prepared tree mice that had been collected. Left camp and drove south. Found yellow-legged frog and *Gerrhonotus* along the way; camped tonight by Gualala River about 1.1 mi. SE Gualala Sonoma Co. Calif.

May 25

found *Rana*, *Bufo* and salamanders near camp. Left for home, Berkeley.

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June 15

Ingram Canyon, 5.4 m NW, Westley, Stanislaus Co., Calif.
 Left at noon with Jerry Cook (and his station wagon) and Allen Ziegler for Corral Hollow (Alameda, San Joaquin Co.) and adjoining areas. Drove through Livermore and on Corral Hollow road to Tracy to Westley, left Westley and went into Ingram Canyon. There, set out 50 snap traps each and about 10 Sherman live traps. In the evening we watched for bats flying over and managed to shoot one down. It was a Pepestrellus hesperus. We had also looked in various mine shafts and caves for bats during the day. Back in Corral Hollow we found a cave and collected a single Corynorhinus from it.

June 16

Collected all our traps which contained one Dipodomys, a Mus, Peromyscus and Rhithrodontomys. Mourning doves and Valley quail are very abundant in the canyon. Saw black tail jack rabbit, andon cotton tails, loggerhead shrikes, burrowing owls and many beechey ground squirrels. Drove to Westley and to Patterson where we took the turnoff to Del Puerta and Los Mochos which leads to Livermore and Mt Hamilton. Checked all caves along the way. One bat did escape from us in one of the caves. Drove to Westvaco mines in Santa Clara Co. where we

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June 16

Westvaco Mines Santa Clara Co. Calif.

inquired about bats and mine shafts.

A Mr. M^cPeters? (with son Jimmy) told us he could not give us permission to enter any of the mine shafts but that some of the closed-down living quarters near by had bats and that we could look there if we wished. His son Jimmy (about 10 or 11) showed us around and showed where he had seen bats. We found bats in between the 2 x 4s and sidings and hitting the boards to get them out. After a while they started coming out and we started catching them. The majority were Antrozous pallidus (about 12 were caught while four were Eptesicus fuscus and one Tadarida mexicana all in one building.

June 18

1 mi. SE Inverness, ± 25 ft., Marin Co., Calif.

Received from Dr. Benson a pocket gopher and a shrew which he had caught at Inverness. The gopher was still alive. Both were prepared as study skins.

June 27

Yosemite, Yosemite Valley, Mariposa Co., Calif.

~~The study skins of bats in the Yosemite study museum contain the~~ The Yosemite museum of study skins contains the following bat species.

Myotis californicus

M. yumanensis

M. evotis

Pipistrellus hesperus

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June 27 Yosemite, Yosemite Valley, Mariposa Co., Calif.

Eptesicus fuscus

Lasionus cinereus

Myotis thysanodes

Tadarida mexicana

Eumops perotis

Antrozous pallidus

E.M. Brock

Catalogue

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July 25 4.2 mi. W Government Center, Yosemite Valley, Mariposa Co., Calif.337 ♂ *Corynorhinus rafinesquii* 95-47-10-35July 27 "Campgrounds" Yosemite Valley, Mariposa Co., Calif.338 ♂ *Myotis* ^{collector unknown} 71-32-7-14

Aug 1

4.2 mi. W Government Center, Yosemite Valley, Mariposa Co., Calif.339 ♂ *Corynorhinus rafinesquii* 102-48-9-34

Aug 4

± 1 mi. E El Portal, Y.N. Forest, Mariposa Co., Calif.340 ♀ *Eptesicus fuscus* 116-43-11-18

Aug 13

1.3 mi. NW Bear Valley, Mariposa Co., Calif.341 ♂ *Corynorhinus rafinesquii* 97-48-9-34Mt. Ophi Mint Mines, 1.6 mi. NW Mt. Bullion, Mariposa Co., Calif.342 ♀ *Corynorhinus rafinesquii* 102-48-10-34

343 ♀ " " 106-49-10-35

Aug 29

Camp 19, Yosemite Valley, Mariposa Co., Calif.344 ♀? ^{immature} *Sciurus griseus* 522-273-76-36

July 1956

Near Lake Tenaya, Yosemite National Park, Mariposa Co., Calif.345? *Marmota flaviventris* 550-160-80-30

Aug 31

A.E. Wood Campground, Wawona, Yosemite Park, Mariposa Co., Calif.346 ♀ *Myotis thysanodes* 87-41-9-17

Sept. 27

Hopland Field Station, ± 5 mi. NE Hopland, Mendocino Co., Calif.347 ♀ *Myotis californicus* 80-36-6-13 32348 ♂ " *valensis* 100-45-8-12 37349 ♂ " *californicus* 75-34-6-11 30350 ♀ *Scapanus latimanus* 179-30-23-0

Oct 11

351 ♀ *Peromyscus truei* 185-103-23.4-22.4-24.5g352 ♂ " *mariculatus* 144-74-19.1-15.2-15.3g353 ♂ " ^(Killed Oct 16, 1956) 174-85-21-16.5-21.1g

